



**Espacenet**

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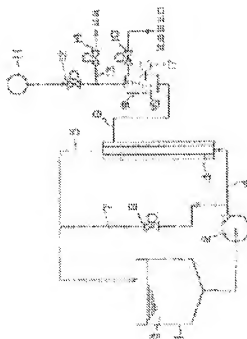
## BACK WASHING DEVICE FOR FILTRATION

**Publication date:** 1992-09-11  
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**Classification:** - international: **B01D65/02; (IPC-1-7): B01D65/02**  
 - European:  
**Application number:** JP19910035191 19910205  
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**Cited documents:** JP59088891 (A) JP57172761 (A) [View all](#)

## Abstract of JP 4256425 (A)

**PURPOSE:** To attain the execution of back washing within short time and at short interval and to enable maintenance for a long time with excellent back washing effect by connecting compressed gas supplying source to the reservoir provided in the way to passage of permeated liq and backwashing with filtrate in the reservoir by using the compressed gas as a power source of back washing.

**CONSTITUTION:** At the time of backwashing, closing valves 10, 14, a valve 12 and a by-pass valve 8 are opened and the compressed gas for backwashing is applied to the backwashing reservoir 9, and a permeated liq, 16 in the reservoir 9 is made to flow to the separating membrane 3 and the suspended matter of solute stuck to the surface of the separation membrane 3 and clad, etc., are washed away and discharged into an original liquid tank 1. Simultaneously, as the by-pass valve 8 is opened, original liquid 15 supplied by pump 2 is recovered into the original liquid tank 1 together with the liquid flowing by backwashing through the by-pass pipe 7. Also, original liquid side pressure of the separating membrane module 3 is reduced and pump 2 is continued operation in spite of backwashing.



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